

ÖZGEÇMİŞ

- 1. Adı Soyadı** : Zehra Merve CİNAN
- 2. Doğum Tarihi** :
- 3. Unvanı** : Dr.Öğr.Üyesi
- 4. Öğrenim Durumu** : Doktora
- 5. Çalıştığı Kurum** : İstanbul Okan Üniversitesi

Derece	Alan	Üniversite	Yıl
Lisans	FİZİK BÖLÜMÜ	KARADENİZ TEKNİK ÜNİVERSİTESİ	2011
Yüksek Lisans	FİZİK (YL) (TEZLİ)	KARADENİZ TEKNİK ÜNİVERSİTESİ	2014
Doktora	FİZİK (DR)	KARADENİZ TEKNİK ÜNİVERSİTESİ	2022

5. Akademik Unvanlar

- Yardımcı Doçentlik Tarihi :
Doçentlik Tarihi :
Profesörlük Tarihi :

6. Yönetilen Yüksek Lisans ve Doktora Tezleri

6.1. Yüksek Lisans Tezleri

6.2. Doktora Tezleri

7. Yayınlar

7.1. Uluslararası hakemli dergilerde yayınlanan makaleler

CİNAN ZEHRA MERVE, YILMAZ AHMET HAKAN, A Wide Scaled Analysis of Elastic Scattering of 2H, 4,6He, 6,7,8Li, 7,9Be, 8,11B and 18O from 58Ni at Various Energy Region, Cumhuriyet Science Journal, 2018.

CİNAN ZEHRA MERVE, YILMAZ AHMET HAKAN, EROL BURCU, Treatise of Angular Distributions of 3He Elastic Scattering from Stable Selenium Isotopes, Bitlis Eren University Journal of Science and Technology, 2019.

CİNAN ZEHRA MERVE, EROL BURCU, BAŞKAN TAYLAN, MUTLU SALİHA, SAVAŞKAN YILMAZ SEVİL, YILMAZ AHMET HAKAN, Gamma Irradiation and the Radiation Shielding Characteristics: For the Lead Oxide Doped the Crosslinked Polystyrene-b-Polyethyleneglycol Block Copolymers and the Polystyrene-b-Polyethyleneglycol-Boron Nitride Nanocomposites, Polymers, 2021.

CİNAN ZEHRA MERVE, EROL BURCU, BAŞKAN TAYLAN, YILMAZ AHMET HAKAN, Heavy-Ion Fusion Reaction Calculations: Establishing the Theoretical Frameworks for ^{111}In Radionuclide over the Coupled Channel Model, *Energies*, 2021.

CİNAN ZEHRA MERVE, BAŞKAN TAYLAN, EROL BURCU, YILMAZ AHMET HAKAN, Theoretical Inspecting of ^{211}At Radionuclide via Coupled-Channel Model for Fusion Reaction of Stable Nuclei, *Atom Indonesia*, 2021.

EROL BURCU, CİNAN ZEHRA MERVE, BAŞKAN TAYLAN, YILMAZ AHMET HAKAN, Investigating Medium and Heavy Mass Heavy-ion Fusion Reactions and Barrier Distributions with Coupled-Channel Analyzes, *Acta Physica Polonica B*, 2021.

CİNAN ZEHRA MERVE, BAŞKAN TAYLAN, EROL BURCU, MUTLU SALİHA, MISIRLIOĞLU YASİN, SAVAŞKAN YILMAZ SEVİL, YILMAZ AHMET HAKAN, Gamma irradiation, thermal conductivity, and phase change tests of the cement-hyperbranched poly amino-ester-block-poly cabrolactone-polyurathane plaster-lead oxide and arsenic oxide composite for development of radiation shielding material, *International Journal of Energy Research*, 2021.

CİNAN ZEHRA MERVE, A theoretical focus on nanoparticle attenuation capabilities for potential utilizations in radiation protect: $\text{TiO}_2\text{-SiO}_2\text{-Fe}_3\text{O}_4\text{-B}_4\text{C-Al}_2\text{O}_3$, *Physica Scripta*, 2023.

CİNAN ZEHRA MERVE, Innovative phosphate glasses of advanced material designs for radiation shielding, *Nexus of Future Materials*, 2024.

7.2. Ulusal hakemli dergilerde yayınlanan makaleler

CİNAN ZEHRA MERVE, YILMAZ AHMET HAKAN, EROL BURCU, BAŞKAN TAYLAN, $^{32}\text{S} + ^{92,94,96,98,100}\text{Mo}$ Reaksiyonlarındaki Bariyer Dağılımına Dayanan Büyük Açılı Yarı-Esnek Saçılma Tesir Kesitleri ve Etkin Ağırlık Fonksiyonu, *Beykent Üniversitesi Fen ve Mühendislik Bilimleri Dergisi*, 2020.

CİNAN ZEHRA MERVE, EROL BURCU, BAŞKAN TAYLAN, MUTLU SALİHA, ORTAÇ BÜLEND, SAVAŞKAN YILMAZ SEVİL, YILMAZ AHMET HAKAN, Radiation Shielding Tests of Crosslinked Polystyrene-b-Polyethyleneglycol Block Copolymers Blended with Nanostructured Selenium Dioxide and Boron Nitride Particles, *NANOMATERIALS*, 2022.

CİNAN ZEHRA MERVE, EROL BURCU, BAŞKAN TAYLAN, YILMAZ AHMET HAKAN, Exhaustive Theoretical Investigation of Phonon Number Alteration, Fusion Cross Sections and Barrier Distributions for $^{30}\text{-Si} + ^{90, 92, 94, 96}\text{-Zr}$ Reactions via Energy-dependent Woods-Saxon Potential and Coupled Channel Models, *Acta Physica Polonica B*, 2022.

7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

CİNAN ZEHRA MERVE, YILMAZ AHMET HAKAN, SYSTEMATIC STUDY OF RADIATIVE ALPHA CAPTURE (α, γ) REACTIONS FOR STABLE TITANIUM ISOTOPES IN PHYSICS, 33rd Turkish Physical Society International Physics Congress, 2017.

CİNAN ZEHRA MERVE, YILMAZ AHMET HAKAN, A Wide Scaled Analysis of Elastic Scattering of ^2H , ^4He , $^6,7,8\text{Li}$, $^7,9\text{Be}$, $^8,11\text{B}$ and ^{18}O from ^{58}Ni At Various Energy Region, X. INTERNATIONAL CONFERENCE ON NUCLEAR STRUCTURE PROPERTIES, 2017.

CİNAN ZEHRA MERVE, YILMAZ AHMET HAKAN, EROL BURCU, BAŞKAN TAYLAN, Theoretical Disquisition of Angular Distributions for $^6,7\text{Li}$ Elastic Scattering Reactions from Heavy Mass Target ^{208}Pb Around The Coulomb Barrier, International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2018), 2018.

CİNAN ZEHRA MERVE, YILMAZ AHMET HAKAN, EROL BURCU, BAŞKAN TAYLAN, Optical Model Calculation Descriptions of $^6\text{Li}^94\text{Nb}$ from 1-Neutron Transfer Channel in $^7\text{Li}^93\text{Nb}$ Reaction at Energies Close to the Coulomb Barrier, ISAS2018-2th International Symposium on Innovative Approaches in Engineering and Natural Sciences, 2018.

CİNAN ZEHRA MERVE, YILMAZ AHMET HAKAN, EROL BURCU, BAŞKAN TAYLAN, ELASTIC SCATTERING PROCESSES CALCULATIONS USING THE OPTICAL MODEL PARAMETERS OF ^{19}F 16, 17, 18O REACTIONS AT MULTIFARIOUS ENERGY REGIONS, XI. INTERNATIONAL CONFERENCE ON NUCLEAR STRUCTURE PROPERTIES (NSP-2018), 2018.

CİNAN ZEHRA MERVE, YILMAZ AHMET HAKAN, EROL BURCU, BAŞKAN TAYLAN, Theoretical Inspection of the Inelastic ^3He Scattering Mechanism for $^{185, 187}\text{Re}$ Around 10-30 MeV Energy Ranges, 5th INTERNATIONAL SYMPOSIUM ON MULTIDISCIPLINARY STUDIES (ISMS-2018), 2018.

Mısırlıoğlu Yasin, SAVAŞKAN YILMAZ SEVİL, BAYRAM TUNCAY, YILMAZ AHMET HAKAN, Şentürk Şevki, Küçük Abdulsamet, CİNAN ZEHRA MERVE, The Gamma-Ray Attenuations of Hyperbranched PCL Copolymer-Plaster of PARIS Composites Sorbed As and Pb Atoms, XI. International Conference on Nuclear Structure Properties (NSP-2018), 2018.

EROL BURCU, YILMAZ AHMET HAKAN, CİNAN ZEHRA MERVE, BAŞKAN TAYLAN, Coupled-Channel Analyses on $^{16}\text{O} + ^{70,72,74,76}\text{Ge}$ Heavy-Ion Fusion Reactions, XI. International Conference on Nuclear Structure Properties (NSP-2018), 2018.

CİNAN ZEHRA MERVE, YILMAZ AHMET HAKAN, THE LARGE ANGLE QUASI-ELASTIC SCATTERING CROSS SECTIONS AND THE EFFECTIVE WEIGHT FUNCTION BASED ON THE BARRIER DISTRIBUTION FOR $^{32}\text{S}^92,94,96,98,100\text{MO}$ REACTIONS, RAD2018- 6th International Conference on Radiation and Applications in Various Fields of Research, 2018.

Mısırliođlu Yasin,BAŐKAN TAYLAN,CİNAN ZEHRA MERVE,Őentürk Őevki,BAYRAM TUNCAY,SAVAŐKAN YILMAZ SEVİL,YILMAZ AHMET HAKAN, Determination of the Gamma Ray Mass Attenuation Coefficient of HB(PAE-b-PCL-DI)-PU-OPC Composites Sorbed Se and Pb Atoms, CESCOP2019-International Conference on Chemical Energy Semiconductor Photochemistry,2019.

CİNAN ZEHRA MERVE,YILMAZ AHMET HAKAN,EROL BURCU, Production of Platinum Isotopes via Sub-Barrier Fusion Cross Sections of ^{16}O from Stable Ytterbium Isotopes, XII. International Conference on Nuclear Structure Properties (NSP-2019),2019.

CİNAN ZEHRA MERVE,YILMAZ AHMET HAKAN,EROL BURCU, Treatise of Angular Distributions of ^3He Elastic Scattering from Stable Selenium İsootopes, XII. International Conference on Nuclear Structure Properties (NSP-2019),2019.

CİNAN ZEHRA MERVE, YILMAZ AHMET HAKAN, EROL BURCU, BAŐKAN TAYLAN, Inspecting of At-211 Radionuclide via Fusion Reaction of Stable F-19 and Os-192 Nuclei, 36th Turkish Physical Society International Physics Congress (TPS-36),2020.

EROL BURCU, YILMAZ AHMET HAKAN, CİNAN ZEHRA MERVE, BAŐKAN TAYLAN, Coupled-Channel Analyses on $^{32}\text{S}+^{90}\text{Zr}$ and $^{32}\text{S}+^{96}\text{Zr}$ Heavy-Ion Fusion Reactions and Barrier Distributions, 36th Turkish Physical Society International Physics Congress (TPS-36),2020.

EROL BURCU, CİNAN ZEHRA MERVE, BAŐKAN TAYLAN, MISIRLIOĐLU YASİN, SAVAŐKAN YILMAZ SEVİL, ŐAHİN MEHMET, YILMAZ AHMET HAKAN, The Gamma Ray Sorption of PS-PEG-OPC Composites and PS-PEG-OPC-BN Nanocomposites, 36th Turkish Physical Society International Physics Congress (TPS-36),2020.

BAŐKAN TAYLAN, CİNAN ZEHRA MERVE, Bashirli Leyla, EROL BURCU, YILMAZ AHMET HAKAN, Calculations of Nuclear Level Densities for Some Deformed Nuclei, 36th Turkish Physical Society International Physics Congress (TPS-36),2020.

CİNAN ZEHRA MERVE, BAŐKAN TAYLAN, MISIRLIOĐLU YASİN, EROL BURCU, SAVAŐKAN YILMAZ SEVİL, ŐAHİN MEHMET, YILMAZ AHMET HAKAN, PS-PEG Block Copolymers and PS-PEG-BN Nanocomposites-Gamma Ray Interaction, 36th Turkish Physical Society International Physics Congress (TPS-36),2020.

CİNAN ZEHRA MERVE, EROL BURCU, BAŐKAN TAYLAN, YILMAZ AHMET HAKAN, Influences of Energy Dependent Woods-Saxon Potential and Coupled Channel Model in Heavy-Ion Fusion Reactions: Setting the Theoretical Background of $^{111}\text{-In}$ Radionuclide, 37th Turkish Physical Society International Physics Congress (TPS-37),2021.

CİNAN ZEHRA MERVE, BAŞKAN TAYLAN, EROL BURCU, MUTLU SALİHA, SAVAŞKAN YILMAZ SEVİL, YILMAZ AHMET HAKAN, The Evaluation of the Applications of Polymer-Based Nano-Structured Composites Doped with Tungsten (W) and Tungsten Trioxide (WO₃) for Gamma Irradiation Shieldings, International Conference on Polymer Science and Composite Materials (ICPSCM 2021),2021.

7.4. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

7.5. Yazılan uluslararası kitaplar veya kitaplarda bölümler

7.6. Yazılan ulusal kitaplar veya kitaplarda bölümler

7.7. Diğer yayınlar

8. Projeler

CA21121 - European Network for the Mechanics of Matter at the Nano-Scale (MecaNano), COST, .

Network for Optimized Astatine labeled Radiopharmaceuticals (NOAR), COST, .

XI. International Conference on Nuclear Structure Properties, ARAŞTIRMA PROJESİ, 2018.

CA19114 - Network for Optimized Astatine labeled Radiopharmaceuticals (NOAR), COST, 2024.

9. İdari Görevler

2024 - 2025	Komisyon Üyeliği, HALIÇ ÜNİVERSİTESİ
2024 - 2025	Yönetim Kurulu Üyeliği, HALIÇ ÜNİVERSİTESİ
2020 - 2024	Management Committee Member of Turkey for COST Action (CA19114 - Network for Optimized Astatine labeled Radiopharmaceuticals (NOAR)), Université de Nantes

10. Bilimsel ve Mesleki Kuruluşlara Üyelikler

11. Ödüller

- TÜBİTAK UBYT Q1 Yayın Teşvik Ödülü, Yayın Teşvik Ödülü, TÜBİTAK (2021)
- TÜBİTAK UBYT Q1 Yayın Teşvik Ödülü, Yayın Teşvik Ödülü, (2022)
- TÜBİTAK UBYT Q1 Yayın Teşvik Ödülü, Yayın Teşvik Ödülü, (2022)
- TÜBİTAK UBYT Yayın Teşvik Ödülü, Yayın Teşvik Ödülü, (2023)

- Haliç Üniversitesi Akademik Teşvik ve Performans Değerlendirme Yönergesi Kapsamına Giren Akademik Personel, Teşvik Ödülleri, HALIÇ ÜNİVERSİTESİ (2024)
- Haliç Üniversitesi Akademik Teşvik ve Performans Değerlendirme Yönergesi Kapsamına Giren Akademik Personel, Teşvik Ödülleri, HALIÇ ÜNİVERSİTESİ (2025)

12. Son İki Yılda Verdiği Lisans ve Lisansüstü Düzeydeki Dersler

- Computer Programming-I (Python), Lisans, 2023-2024, Ders Saati: 5
- Nuclear Power Plants, Lisans, 2023-2024, Ders Saati: 3
- Yenilenebilir Enerji Sistemleri, Lisans, 2023-2024, Ders Saati: 3
- Elektronik Devreler, Lisans, 2023-2024, Ders Saati: 5
- Fundamentals of Electric and Electronics, Lisans, 2023-2024, Ders Saati: 3
- Electronic Circuits, Lisans, 2023-2024, Ders Saati: 5
- Physics I, Lisans, 2023-2024, Ders Saati: 5
- Yenilenebilir Enerji Sistemleri, Lisans, 2024-2025, Ders Saati: 3
- Yenilenebilir Enerji Kaynakları, Lisans, 2024-2025, Ders Saati: 3
- Physics II, Lisans, 2024-2025, Ders Saati: 7
- Physics I, Lisans, 2024-2025, Ders Saati: 7
- Yenilenebilir Enerji Kaynakları, Yüksek Lisans, 2024-2025, Ders Saati: 3
- Nuclear Power Plants, Lisans, 2024-2025, Ders Saati: 3
- Graduation Project II, Lisans, 2024-2025, Ders Saati: 2
- Fundamentals of Electric and Electronics, Lisans, 2024-2025, Ders Saati: 3
- Electronic Circuits, Lisans, 2024-2025, Ders Saati: 5
- Genel Matematik, Önlisans, 2025-2026, Ders Saati: 3
- Mobil Programlama Temelleri, Önlisans, 2025-2026, Ders Saati: 6
- Bilgisayar Ağ Sistemleri, Önlisans, 2025-2026, Ders Saati: 9
- Algoritma ve Programlamanın Temelleri, Önlisans, 2025-2026, Ders Saati: 3